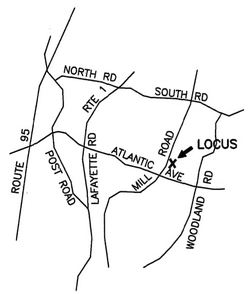
LOCUS MAP

NOT TO SCALE



SOIL CLASS:
- 40 CHATFIELD–HOLLIS–CANTON
- 63 CHARLTON
- 547 WALPOLE

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1	SET NAIL 18" OAK EL 49.51
#2	SET HUB EL 45.55
#3	SET NAIL 15" OAK EL 46.79

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 48.0
2. THERE IS/ARE APPROX 0 FT BELOW ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS. EL 48.0

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- 50 / (50) — EXISTING CONTOUR / PROPOSED CONTOUR
- 50.0 — EXISTING SPOT ELEVATION
- (50.0) — PROPOSED SPOT ELEVATION

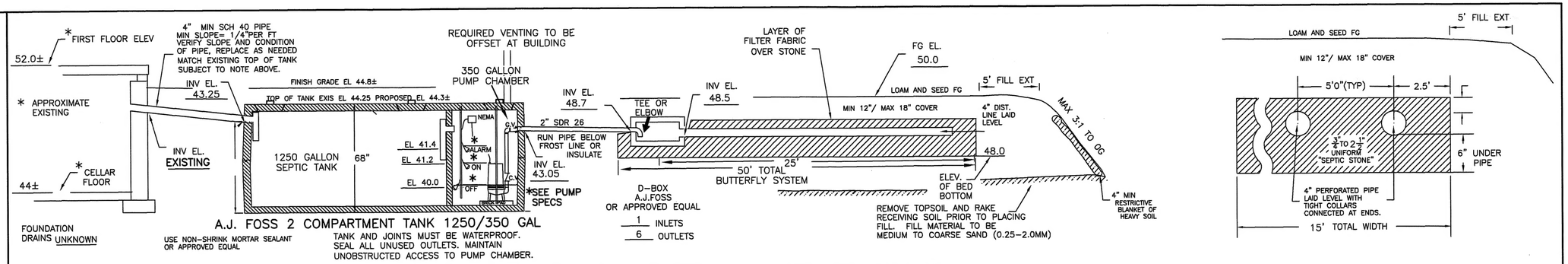
NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD PLAN D22770
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: 41896
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. NO SURFACE WATER, HYDRIC A SOIL, OR DRINKING WATER WELL WITHIN 75' OF PROPOSED SYSTEM. NO HYDRIC B SOIL WITHIN 50' OF DISPERSAL AREA NO HYDRIC B SOIL WITHIN 20' OF TREATMENT TANK.
5. DESIGNER MUST BE CONSULTED FOR ANY PROPOSED CHANGES OR ERRORS/DISCREPANCIES FOUND DURING SYSTEM INSTALLATION. (603 929–7404) INSTALLER IS RESPONSIBLE FOR ANY TOWN PERMITS OR INSPECTIONS REQUIRED FOR THIS INSTALLATION.

PUMP SPECIFICATIONS

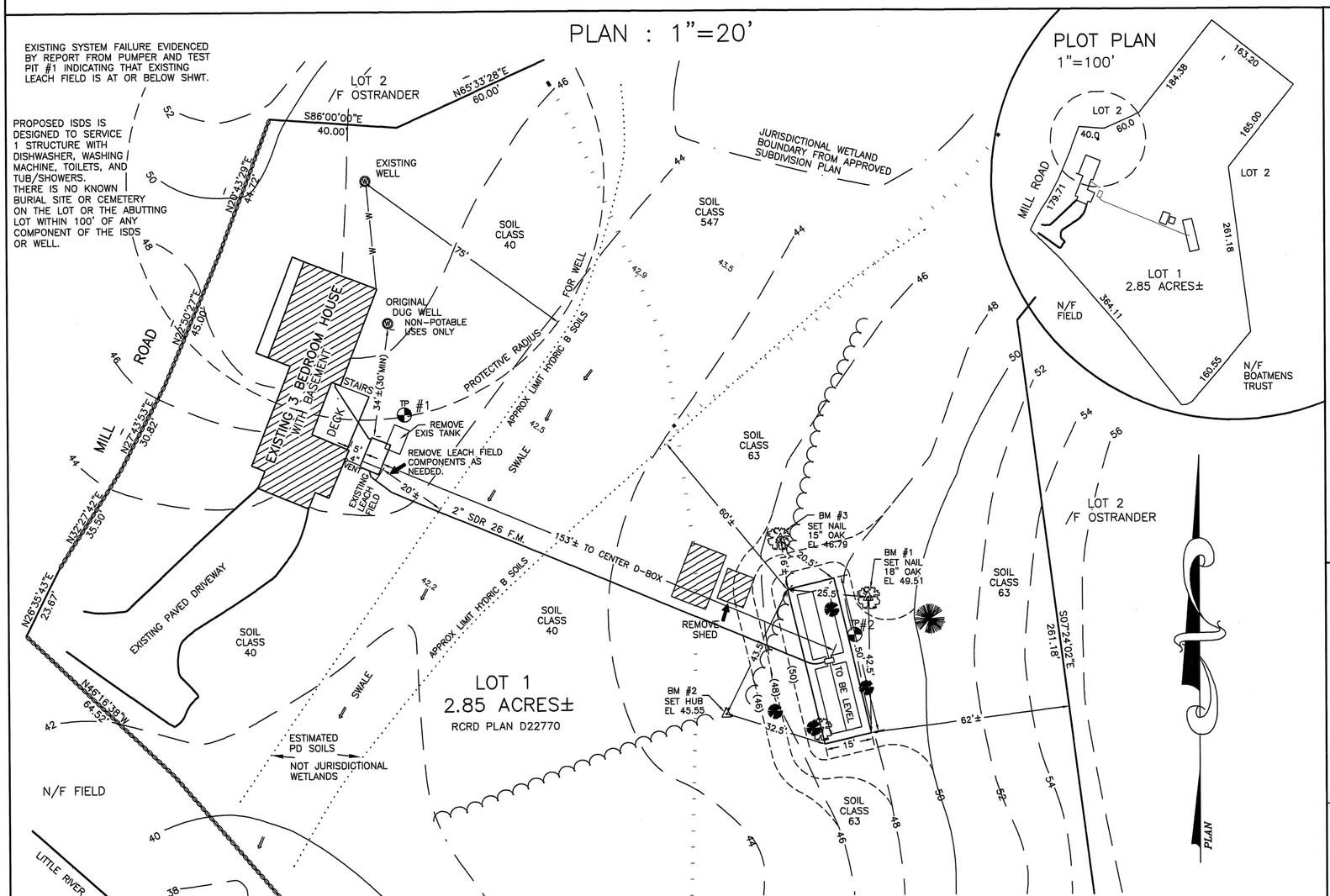
HYDROMATIC SHEF 30M1 EFFLUENT PUMP
0.3 HP, 115 V, 1 1/2" DISCHARGE
(ADAPT TO 2" FORCE MAIN)
WITH NEMA CONTROL PANEL AND HIGH WATER ALARM HOUSED IN GARAGE
FLOATS TO BE SET APPROXIMATELY AS SHOWN TO GENERATE APPROX 100 GAL CYCLE FOR 4+ CYCLES PER DAY BASED ON 450 GPD DESIGN LOADING FOR 3 BEDROOM HOUSE.
PUMP WILL DELIVER APPROX 26 GPM AT 14' ESTIMATED TDH FOR 4 MINUTES PUMP RUNNING TIME.

ELECTRICAL CONTROLS MUST BE APPROVED BY PUMP MANUFACTURER.



CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



PLOT PLAN

1"=100'

TEST PIT DATA

DATE: NOVEMBER 9, 2011

TOWN INSPECTOR: MIKE CUOMO

TEST PIT #1 EL 45.0

0 –24" 10YR3/3 FINE SANDY LOAM GRANULAR FRIABLE
24–32" 2.5Y4/3 FINE SANDY LOAM, MOIST FRIABLE, MOTTLED
32–60" 2.5Y6/2 LOAMY FINE SAND, MASSIVE FRIABLE, MOTTLED

ESHWT @ 24", OBSERVED WATER @ 42", NO REFUSAL, ROOTS TO 24"

TEST PIT #2 EL 48.2

0 – 8" 10YR3/4 FINE SANDY LOAM GRANULAR FRIABLE
8 –28" 10YR5/6 FINE SANDY LOAM, GRANULAR FRIABLE
28–60" 2.5Y5/4 FINE SANDY LOAM, MASSIVE, FIRMER WITH DEPTH

ESHWT @ 28", NO OBSERVED WATER, NO REFUSAL, ROOTS TO 30"+

PERC TEST DATA

DESIGN PERC RATE: 6 MIN/IN AT 26" DEPTH

DESIGN LOADING: EXISTING 3 BEDROOM HOUSE

LEACH FIELD AREA REQUIRED: 675 SF REQUIRED

LEACH FIELD AREA PROPOSED: 15' X 50' = 750 SF PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 129 MILL ROAD
NORTH HAMPTON, NH
TAX MAP 6 LOT 92

OWNER: DAN R. DERBY REVOCABLE TRUST OF 2011
DAN R. DERBY & JANE G. DERBY CO–TRUSTEES
18 POND PATH
NORTH HAMPTON, NH 03862

HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ Anne W. Bialobrzeski No. 348 Environmental Consultants

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842
603 929–7404

DATE: JANUARY 7, 2012

APPROVAL: CA2012107386 1/20/12

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.
ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.
ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.